

Lord of Iron

by Arya Akhavan (November 2014)

Angles for R.I. = 1.620

41 + 8 girdles = 49 facets

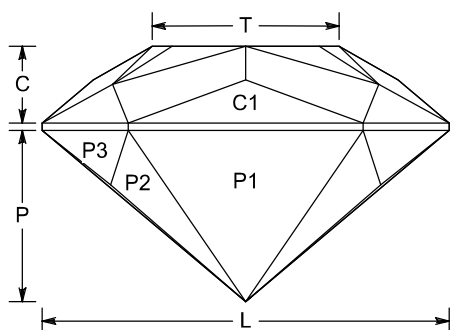
4-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.459$ $U/W = 0.459$

$P/W = 0.420$ $C/W = 0.188$

$Vol./W^3 = 0.250$



PAVILION

P1	40.00°	96-24-48-72	Cut to centerpoint.
P2	39.02°	01-23-25-47- 49-71-73-95	Meet at culet.
G1	90.00°	96-24-48-72	Set stone size.
G2	90.00°	12-36-60-84	Meet P1, P2, G1
P3	56.58°	12-36-60-84	Level girdle.

CROWN

C1	39.93°	96-24-48-72	Set girdle width.
C2	44.92°	12-36-60-84	Level girdle.
C3	30.37°	03-21-27-45- 51-69-75-93	Meet G1, G2, C1, C2
C4	27.58°	04-20-28-44- 52-68-76-92	Meet C2, C3
T	0.00°	Table	Meet C3, C4

This design uses the same outline as "Void Reaper", but was redesigned for a particularly dark iron-bearing spinel from Tanzania that I ended up cutting into an engagement ring for a close friend. Congrats, Hiro and Jessica! :D Works in materials from tourmaline to zircon (RI = 1.62 - 1.93) with no changes. It should work well in dark iron-bearing garnets and spinels and dark chrome-bearing tourmalines and diopsides.

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